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CNC CHARLESTON  
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REQUEST FOR INSTALLATION OF GROUNDWATER MONITORING WELL AREA OF  
CONCERN 561 (AOC 561) ZONE E CNC CHARLESTON SC  
3/20/2002  
CH2MHILL



**CH2MHILL**  
*Constructors, Inc.*

**CH2M HILL**

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March 20, 2002

158814.ZE.PR.12

Mr. Paul Bergstrand, P. G.  
Hydrogeologist  
South Carolina Department of Health and Environmental Control  
Bureau of Land & Waste Management  
Division of Hydrogeology  
8901 Farrow Road  
Columbia, SC 29203

**Subject: Request for Installation of Groundwater Monitor Well AOC 561, Zone E  
Charleston Naval Complex, North Charleston, South Carolina**

Dear Paul:

On behalf of the U.S. Navy Southern Division Naval Facilities Engineering Command, CH2M-Jones requests the installation of one new groundwater monitor well at AOC 561.

The purpose of this new shallow well is to better define the nature of groundwater in the vicinity of AOC 561. Historical analytical data from the site indicates the presence of dichlorobenzene. The new monitor well will be constructed similar to the existing shallow wells to screen across the water table. Well installation will be performed in accordance with the South Carolina Well Standards and Regulations (R.61-71).

Figure 1 presents the location of the proposed monitoring well. Table 1 presents the required detailed information for monitoring well installation approval.

CH2M-Jones has scheduled to complete this work the week of March 25, 2002. If you have any questions, comments, or require additional information please do not hesitate to contact us.

Sincerely,

Mr. Paul Bergstrand, P.G.

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A handwritten signature in black ink, appearing to read 'Tom Beisel', written over a horizontal line.

Tom Beisel, P.G.

Project Geologist

(770) 604-9182 ext 367

enclosures

cc:

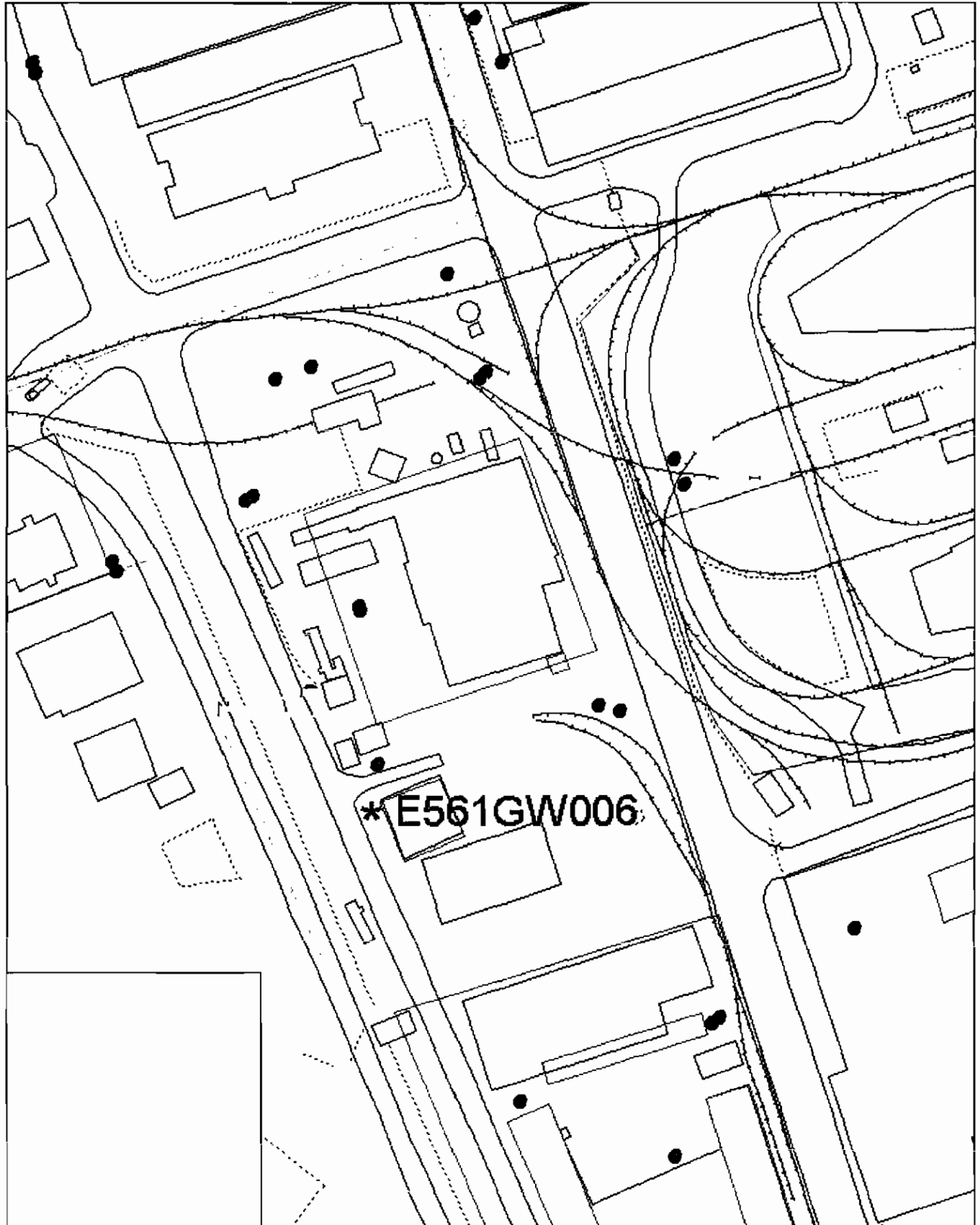
Tony Hunt, P.E./SOUTHDIV

Rob Harrell/SOUTHDIV

Dean Williamson, P.E./CH2M HILL/GNV

David Lane, P.E./CH2M Hill/GNV

NOTE: Original figure created in color



- Groundwater Well
- ⚡ Railroads
- - - Fence
- ⚡ Roads - Lines
- ADC Boundary
- SW MU Boundary

\* Proposed Well



0 100 200 Feet

1 inch = 135.772 feet

**Figure 1**  
Proposed New Well Location  
AOC 561  
Charleston Naval Complex

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**TABLE 1**  
Monitoring Well Installation Information Summary  
AOC 561, Zone E, Charleston Naval Complex

Well Identification	Well Diameter (Inner & Outer)	Method of Drilling	Screen Depth (ft bls)	Screen Length (ft)	Screen Mesh/Slot Size	Expected Total Depth of Well (ft bls)	Material of Well Construction	Analysis Parameters	Development (e.g., low flow, baller, etc.)	Grout (Type, Mixture Ratio, etc.)	Finish Type	Purpose for Well	Other/ Comments
E561GW006	2-inch (inner)	Hollow Stem Auger	5 to 15	10-feet	0.01	10 to 18	Schedule 40 PVC	VOC/SVOC	Low Flow Pump with surge block	Portland Type II with 5% Bentonite	flush-mount	Groundwater monitoring	